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### (54) High-temperature sulfidation-corrosion resistant nickel-base alloy

(57) A high-temperature sulfidation-corrosion resistant nickel-base alloy includes 12 ~ 15 weight % of cobalt, 18 ~ 21 weight % of chromium, 3.5 ~ 5 weight % of molybdenum, 0.02 ~ 0.1 weight % of carbon, at most 2.75 weight % of titanium, and at least 1.6 weight % of aluminum. The remainder is essentially of nickel except for impurities. The high-temperature sulfidation-corrosion resistant nickel-base alloy has sufficient high-temperature strength and is highly resistant to a high-temperature sulfidation corrosion.

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